

Fundamental and Applied Chemistry

National Research Lobachevsky State University of Nizhni Novgorod (Lobachevsky University)

Degree or qualification is awarded: **Chemist**

Language of study: **Russian**

Mode of study: **full-time**

Duration: **5 years**

Availability of free education: **yes**

Price: **144 000 RUB per year**

Programme webpage at the university website: <http://bakalavr.unn.ru/#/load/program.php?id=84&ac>

Programme curator:

Tel.:

E-mail: admissions@fis.unn.ru

Students studying at the Faculty of Chemistry become highly qualified specialists. Graduates from the Faculty of Chemistry get employed at academic and industrial scientific research institutions, leading enterprises of petrochemical and chemical industry in Russia and the Nizhny Novgorod region, analytical control laboratories (ecological control, customs, forensic laboratories, sanitary and epidemiological service), enterprises of radio-electronic, pharmaceutical, food, wood processing and other industries, as well as teachers at higher educational establishments, schools and other sectors of national economy.

Students of the Faculty of Chemistry actively participate in scientific work, which is an integral element of the educational process. A lot of students are winners of Russian scientific student's conferences and competitions. After graduation the most talented students improve their scientific qualification by studying under postgraduate training programmes under the guidance of leading professors of the Faculty.

Specializations within this programme

Inorganic Chemistry

While studying under this programme students will learn principles of technological and scientific research thinking, get to know key actual problems of chemical engineering and means of their solutions, as well as methods of solving high-tech industries problems with the use of new scientific developments in the sphere of high-purity substances, understand the relationship between specific technological solutions and progress in chemical engineering, acquire skills for alternative technological solutions comparison.

Organic Chemistry

In the course of training Bachelor's degree students acquire knowledge on the production process, structure, properties and usage of organic compounds of major classes, hydrocarbons and their derivatives. Students receive basic knowledge on substances, their composition, structure, stability, reactivity, as well as spheres of their application in national economy, new technologies and materials that form the basis for the educational trajectory.

The essential condition for Bachelor's degree students is the formation of skills for working with up-to-date information bases of synthesis and analysis of the organic compounds structure. Organic chemistry is the theoretical basis of the most important industries associated not only with organic substances, but also with other spheres of knowledge: agriculture, medicine, biology, etc. The organic chemistry specialization is a fundamental one in the system of the University chemical education and is closely connected with other profiles as being realized by the Faculty.